

## JAPAN, Hiroshima (1990-2012)

	Number of cases							Percentage				Incidence rates per million person-years							MV % 0-19	DCO % 0-19		
	Age group							0-14		0-19		Age-specific					Cumulative					
	0	1-4	5-9	10-14	15-19	0-14	0-19	All	Group	All	Group	0	1-4	5-9	10-14	15-19	0-14	0-19			0-14	0-19
<b>I LEUKAEMIA</b>	16	69	53	40	41	178	219	31.5	100.0	26.6	100.0	61.3	65.6	39.2	28.2	25.1	45.9	41.2	661	786	94.1	0.5
a. Lymphoid	3	51	39	23	12	116	128	20.5	65.2	15.5	58.4	11.5	48.5	28.9	16.2	7.4	29.9	24.9	431	468	94.5	0.0
b. Acute myeloid	9	15	8	12	17	44	61	7.8	24.7	7.4	27.9	34.5	14.3	5.9	8.5	10.4	11.4	11.2	163	215	93.4	1.6
c. CMD	3	3	3	2	6	11	17	1.9	6.2	2.1	7.8	11.5	2.9	2.2	1.4	3.7	2.9	3.1	41	59	88.2	0.0
d. MDS & other	1	0	1	2	2	4	6	0.7	2.2	0.7	2.7	3.8	-	0.7	1.4	1.2	0.9	1.0	15	21	100.0	0.0
e. Unspecified	0	0	2	1	4	3	7	0.5	1.7	0.8	3.2	-	-	1.5	0.7	2.5	0.7	1.1	11	23	100.0	0.0
<b>II LYMPHOMA &amp; RELATED</b>	3	17	20	19	30	59	89	10.4	100.0	10.8	100.0	11.5	16.2	14.8	13.4	18.4	14.6	15.4	217	309	94.4	0.0
a. Hodgkin	0	0	2	3	9	5	14	0.9	8.5	1.7	15.7	-	-	1.5	2.1	5.5	1.1	2.1	18	46	100.0	0.0
b. Non-Hodgkin except BL	0	4	5	9	12	18	30	3.2	30.5	3.6	33.7	-	3.8	3.7	6.3	7.4	4.2	4.9	65	102	100.0	0.0
c. Burkitt (BL)	0	3	5	0	3	8	11	1.4	13.6	1.3	12.4	-	2.9	3.7	-	1.8	2.1	2.0	30	39	90.9	0.0
d. Lymphoreticular	3	10	6	2	1	21	22	3.7	35.6	2.7	24.7	11.5	9.5	4.4	1.4	0.6	5.7	4.5	79	82	86.4	0.0
e. Unspecified	0	0	2	5	5	7	12	1.2	11.9	1.5	13.5	-	-	1.5	3.5	3.1	1.5	1.9	25	40	91.7	0.0
<b>III CNS NEOPLASMS †</b>	7	22	52	32	45	113	158	20.0	100.0	19.2	100.0	26.8	20.9	38.5	22.5	27.6	27.5	27.5	416	554	77.2	2.5
a. Ependymoma	2	4	2	1	0	9	9	1.6	8.0	1.1	5.7	7.7	3.8	1.5	0.7	-	2.5	1.9	34	34	100.0	0.0
b. Astrocytoma	0	3	17	17	9	37	46	6.5	32.7	5.6	29.1	-	2.9	12.6	12.0	5.5	8.4	7.8	134	162	93.5	0.0
c. CNS embryonal	1	6	5	2	2	14	16	2.5	12.4	1.9	10.1	3.8	5.7	3.7	1.4	1.2	3.7	3.1	52	58	93.8	6.3
d. Other gliomas	4	3	14	2	4	23	27	4.1	20.4	3.3	17.1	15.3	2.9	10.4	1.4	2.5	5.8	5.1	86	98	37.0	3.7
e. Other specified	0	4	9	9	26	22	48	3.9	19.5	5.8	30.4	-	3.8	6.7	6.3	15.9	5.2	7.6	80	160	93.8	0.0
f. Unspecified CNS	0	2	5	1	4	8	12	1.4	7.1	1.5	7.6	-	1.9	3.7	0.7	2.5	2.0	2.1	30	42	0.0	16.7
<b>IV NEUROBLASTOMA</b>	37	25	2	0	4	64	68	11.3	100.0	8.3	100.0	141.8	23.8	1.5	-	2.5	18.7	15.1	243	256	97.1	0.0
a. (Ganglio)neuroblastoma	37	25	2	0	2	64	66	11.3	100.0	8.0	97.1	141.8	23.8	1.5	-	1.2	18.7	14.8	243	250	97.0	0.0
b. Peripheral nervous	0	0	0	0	2	0	2	-	-	0.2	2.9	-	-	-	-	1.2	-	0.3	-	6	100.0	0.0
<b>V RETINOBLASTOMA</b>	5	9	1	0	0	15	15	2.7	100.0	1.8	100.0	19.2	8.6	0.7	-	-	4.4	3.4	57	57	73.3	0.0
<b>VI RENAL TUMOURS</b>	1	7	1	2	1	11	12	1.9	100.0	1.5	100.0	3.8	6.7	0.7	1.4	0.6	3.0	2.5	41	44	100.0	0.0
a. Nephroblastoma	1	6	0	1	0	8	8	1.4	72.7	1.0	66.7	3.8	5.7	-	0.7	-	2.3	1.8	30	30	100.0	0.0
b. Renal carcinoma	0	1	1	1	1	3	4	0.5	27.3	0.5	33.3	-	1.0	0.7	0.7	0.6	0.7	0.7	11	14	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VII HEPATIC TUMOURS</b>	10	10	3	3	0	26	26	4.6	100.0	3.2	100.0	38.3	9.5	2.2	2.1	-	7.2	5.6	98	98	96.2	3.8
a. Hepatoblastoma	10	10	3	2	0	25	25	4.4	96.2	3.0	96.2	38.3	9.5	2.2	1.4	-	7.0	5.4	94	94	96.0	4.0
b. Hepatic carcinoma	0	0	0	1	0	1	1	0.2	3.8	0.1	3.8	-	-	-	0.7	-	0.2	0.2	4	4	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VIII BONE TUMOURS</b>	0	1	0	17	19	18	37	3.2	100.0	4.5	100.0	-	1.0	-	12.0	11.7	3.8	5.5	64	122	97.3	0.0
a. Osteosarcoma	0	0	0	13	17	13	30	2.3	72.2	3.6	81.1	-	-	-	9.2	10.4	2.7	4.4	46	98	96.7	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	1	0	4	1	5	6	0.9	27.8	0.7	16.2	-	1.0	-	2.8	0.6	1.1	1.0	18	21	100.0	0.0
d. Other specified	0	0	0	0	1	0	1	-	-	0.1	2.7	-	-	-	-	0.6	-	0.1	-	3	100.0	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>IX SOFT TISSUE SARCOMA</b>	3	7	7	9	14	26	40	4.6	100.0	4.9	100.0	11.5	6.7	5.2	6.3	8.6	6.5	6.9	96	139	97.5	0.0
a. Rhabdomyosarcoma	1	6	5	5	3	17	20	3.0	65.4	2.4	50.0	3.8	5.7	3.7	3.5	1.8	4.3	3.7	63	72	100.0	0.0
b. Fibrosarcoma	1	0	1	1	3	3	6	0.5	11.5	0.7	15.0	3.8	-	0.7	0.7	1.8	0.7	1.0	11	20	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	1	1	1	3	8	6	14	1.1	23.1	1.7	35.0	3.8	1.0	0.7	2.1	4.9	1.4	2.2	22	46	92.9	0.0
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>X GERM CELL TUMOURS</b>	9	4	8	23	53	44	97	7.8	100.0	11.8	100.0	34.5	3.8	5.9	16.2	32.5	10.4	15.4	160	323	95.9	0.0
a. CNS germ cell ‡	1	0	4	13	12	18	30	3.2	40.9	3.6	30.9	3.8	-	3.0	9.2	7.4	3.9	4.7	64	101	86.7	0.0
b. Other extragonadal	6	2	0	0	13	8	21	1.4	18.2	2.5	21.6	23.0	1.9	-	-	8.0	2.4	3.6	30	70	100.0	0.0
c. Gonadal germ cell	2	2	4	10	23	18	41	3.2	40.9	5.0	42.3	7.7	1.9	3.0	7.0	14.1	4.2	6.4	65	136	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	3	0	3	-	-	0.4	3.1	-	-	-	-	1.8	-	0.4	-	9	100.0	0.0
e. Unspecified gonadal	0	0	0	0	2	0	2	-	-	0.2	2.1	-	-	-	-	1.2	-	0.3	-	6	100.0	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	0	1	3	7	49	11	60	1.9	100.0	7.3	100.0	-	1.0	2.2	4.9	30.0	2.4	8.7	40	190	98.3	0.0
a. Adrenocortical	0	0	1	0	0	1	1	0.2	9.1	0.1	1.7	-	-	0.7	-	-	0.2	0.2	4	4	100.0	0.0
b. Thyroid	0	0	0	5	22	5	27	0.9	45.5	3.3	45.0	-	-	-	3.5	13.5	1.0	3.8	18	85	100.0	0.0
c. Nasopharyngeal	0	0	0	0	2	0	2	-	-	0.2	3.3	-	-	-	-	1.2	-	0.3	-	6	100.0	0.0
d. Melanoma	0	1	0	0	1	1	2	0.2	9.1	0.2	3.3	-	1.0	-	-	0.6	0.3	0.4	4	7	50.0	0.0
e. Skin carcinoma	0	0	1	1	0	2	2	0.4	18.2	0.2	3.3	-	-	0.7	0.7	-	0.4	0.3	7	7	100.0	0.0
f. Other & unspecified	0	0	1	1	24	2	26	0.4	18.2	3.2	43.3	-	-	0.7	0.7	14.7	0.4	3.7	7	81	100.0	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	0	0	0	0	3	0	3	-	-	0.4	100.0	-	-	-	-	1.8	-	0.4	-	9	33.3	0.0
a. Other specified	0	0	0	0	1	0	1	-	-	0.1	33.3	-	-	-	-	0.6	-	0.1	-	3	100.0	0.0
b. Other unspecified	0	0	0	0	2	0	2	-	-	0.2	66.7	-	-	-	-	1.2	-	0.3	-	6	0.0	0.0
<b>TOTAL</b>	91	172	150	152	259	565	824	100.0	100.0	100.0	100.0	348.7	163.4	111.0	107.1	158.8	144.4	147.7	2092	2886	91.5	0.7

† includes 71 non-malignant ‡ includes 2 non-malignant

Please consult the quality indicators for this registry

## JAPAN, Hiroshima (1990-2012)

	Males										M/F ratio		Females									
	Number of cases in age groups										0-14	0-19	Number of cases in age groups									
	0	1-4	5-9	10-14	15-19	0-14	0-19	ASR per million	0-14	0-19			0	1-4	5-9	10-14	15-19	0-14	0-19	ASR per million	0-14	0-19
<b>I LEUKAEMIA</b>	9	31	32	23	29	95	124	47.1	44.3	1.1	1.3	7	38	21	17	12	83	95	44.6	38.0		
a. Lymphoid	2	24	22	9	9	57	66	28.8	24.7	1.0	1.1	1	27	17	14	3	59	62	31.1	25.0		
b. Acute myeloid	4	4	6	10	12	24	36	11.4	12.1	1.2	1.4	5	11	2	2	5	20	25	11.5	10.3		
c. CMD	2	3	2	2	5	9	14	4.6	4.9	4.5	4.7	1	0	1	0	1	2	3	1.1	1.1		
d. MDS & other	1	0	0	1	1	2	3	1.0	1.0	1.0	1.0	0	0	1	1	1	2	3	0.9	1.0		
e. Unspecified	0	0	2	1	2	3	5	1.3	1.6	-	2.5	0	0	0	0	2	0	2	-	0.6		
<b>II LYMPHOMA &amp; RELATED</b>	1	12	11	12	20	36	56	17.4	18.9	1.6	1.7	2	5	9	7	10	23	33	11.6	11.8		
a. Hodgkin	0	0	1	3	5	4	9	1.7	2.6	4.0	1.8	0	0	1	0	4	1	5	0.5	1.5		
b. Non-Hodgkin except BL	0	3	2	4	7	9	16	4.3	5.2	1.0	1.1	0	1	3	5	5	9	14	4.2	4.6		
c. Burkitt (BL)	0	3	5	0	3	8	11	4.1	4.0	-	-	0	0	0	0	0	0	0	-	-		
d. Lymphoreticular	1	6	1	1	1	9	10	4.9	4.1	0.8	0.8	2	4	5	1	0	12	12	6.5	5.0		
e. Unspecified	0	0	2	4	4	6	10	2.5	3.0	6.0	5.0	0	0	0	1	1	1	2	0.4	0.6		
<b>III CNS NEOPLASMS †</b>	3	12	27	17	19	59	78	28.0	26.8	1.1	1.0	4	10	25	15	26	54	80	27.0	28.3		
a. Ependymoma	1	2	1	0	0	4	4	2.2	1.7	0.8	0.8	1	2	1	1	0	5	5	2.7	2.1		
b. Astrocytoma	0	2	10	9	6	21	27	9.4	8.9	1.3	1.4	0	1	7	8	3	16	19	7.4	6.6		
c. CNS embryonal	0	3	4	0	1	7	8	3.6	3.1	1.0	1.0	1	3	1	2	1	7	8	3.7	3.2		
d. Other gliomas	2	2	5	2	2	11	13	5.4	4.7	0.9	0.9	2	1	9	0	2	12	14	6.2	5.4		
e. Other specified	0	2	4	6	8	12	20	5.4	6.4	1.2	0.7	0	2	5	3	18	10	28	4.9	8.9		
f. Unspecified CNS	0	1	3	0	2	4	6	2.0	2.1	1.0	1.0	0	1	2	1	2	4	6	2.0	2.1		
<b>IV NEUROBLASTOMA</b>	18	16	1	0	1	35	36	20.0	15.8	1.2	1.1	19	9	1	0	3	29	32	17.4	14.3		
a. (Ganglio)neuroblastoma	18	16	1	0	0	35	35	20.0	15.5	1.2	1.1	19	9	1	0	2	29	31	17.4	14.1		
b. Peripheral nervous	0	0	0	0	1	0	1	-	0.3	-	1.0	0	0	0	0	1	0	1	-	0.3		
<b>V RETINOBLASTOMA</b>	4	5	0	0	0	9	9	5.2	4.0	1.5	1.5	1	4	1	0	0	6	6	3.5	2.7		
<b>VI RENAL TUMOURS</b>	1	4	1	1	1	7	8	3.7	3.2	1.8	2.0	0	3	0	1	0	4	4	2.2	1.7		
a. Nephroblastoma	1	3	0	0	0	4	4	2.3	1.8	1.0	1.0	0	3	0	1	0	4	4	2.2	1.7		
b. Renal carcinoma	0	1	1	1	1	3	4	1.4	1.4	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>VII HEPATIC TUMOURS</b>	5	7	2	2	0	16	16	8.6	6.7	1.6	1.6	5	3	1	1	0	10	10	5.7	4.5		
a. Hepatoblastoma	5	7	2	1	0	15	15	8.2	6.4	1.5	1.5	5	3	1	1	0	10	10	5.7	4.5		
b. Hepatic carcinoma	0	0	0	1	0	1	1	0.4	0.3	-	-	0	0	0	0	0	0	0	-	-		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>VIII BONE TUMOURS</b>	0	1	0	8	11	9	20	3.8	5.9	1.0	1.2	0	0	0	9	8	9	17	3.8	5.2		
a. Osteosarcoma	0	0	0	6	9	6	15	2.4	4.3	0.9	1.0	0	0	0	7	8	7	15	2.9	4.5		
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
c. Ewing & related	0	1	0	2	1	3	4	1.4	1.3	1.5	2.0	0	0	0	2	0	2	2	0.8	0.7		
d. Other specified	0	0	0	0	1	0	1	-	0.3	-	-	0	0	0	0	0	0	0	-	-		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>IX SOFT TISSUE SARCOMA</b>	1	3	4	2	8	10	18	5.0	6.0	0.6	0.8	2	4	3	7	6	16	22	8.0	7.9		
a. Rhabdomyosarcoma	0	3	4	1	3	8	11	4.0	3.9	0.9	1.2	1	3	1	4	0	9	9	4.6	3.6		
b. Fibrosarcoma	0	0	0	0	1	0	1	-	0.3	0.0	0.2	1	0	1	1	2	3	5	1.5	1.7		
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
d. Other specified	1	0	0	1	4	2	6	1.0	1.8	0.5	0.8	0	1	1	2	4	4	8	1.9	2.6		
e. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
<b>X GERM CELL TUMOURS</b>	3	2	1	13	29	19	48	8.5	14.4	0.8	1.0	6	2	7	10	24	25	49	12.5	16.4		
a. CNS germ cell ‡	0	0	1	12	10	13	23	5.3	6.8	2.6	3.3	1	0	3	1	2	5	7	2.5	2.5		
b. Other extragonadal	1	0	0	0	11	1	12	0.6	3.4	0.1	1.3	5	2	0	0	2	7	9	4.2	3.8		
c. Gonadal germ cell	2	2	0	1	8	5	13	2.7	4.3	0.4	0.5	0	0	4	9	15	13	28	5.7	8.7		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	3	0	3	-	0.8		
e. Unspecified gonadal	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.6		
<b>XI CARCINOMA &amp; MELANOMA</b>	0	1	2	4	17	7	24	3.1	7.0	1.8	0.7	0	0	1	3	32	4	36	1.7	10.4		
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	0.5	0.4		
b. Thyroid	0	0	0	2	4	2	6	0.8	1.7	0.7	0.3	0	0	0	3	18	3	21	1.3	6.1		
c. Nasopharyngeal	0	0	0	0	2	0	2	-	0.5	-	-	0	0	0	0	0	0	0	-	-		
d. Melanoma	0	1	0	0	0	1	1	0.6	0.4	-	1.0	0	0	0	0	1	0	1	-	0.3		
e. Skin carcinoma	0	0	1	1	0	2	2	0.9	0.7	-	-	0	0	0	0	0	0	0	-	-		
f. Other & unspecified	0	0	1	1	11	2	13	0.9	3.6	-	1.0	0	0	0	0	13	0	13	-	3.7		
<b>XII OTHER &amp; UNSPECIFIED</b>	0	0	0	0	2	0	2	-	0.5	-	2.0	0	0	0	0	1	0	1	-	0.3		
a. Other specified	0	0	0	0	1	0	1	-	0.3	-	-	0	0	0	0	0	0	0	-	-		
b. Other unspecified	0	0	0	0	1	0	1	-	0.3	-	1.0	0	0	0	0	1	0	1	-	0.3		
<b>TOTAL</b>	45	94	81	82	137	302	439	150.4	153.6	1.1	1.1	46	78	69	70	122	263	385	138.1	141.4		

† includes 33 non-malignant in males and 38 non-malignant in females ‡ includes 1 non-malignant in males and 1 non-malignant in females

Please consult the quality indicators for this registry

## JAPAN, Hiroshima (1990-2012)

	Age group	Males	Females
Person-years	0	133 351	127 604
	1-4	539 271	513 286
	5-9	693 184	657 685
	10-14	727 878	691 953
	15-19	832 749	797 968
Total	0-14	2 093 684	1 990 528
	0-19	2 926 433	2 788 496
Average annual population	0-14	91 030	86 545
	0-19	127 236	121 239

Please consult the quality indicators for this registry